Repower Systems AG

Management system for the operation of a wind turbine

Patent Claims:

- 1. A management system for the operation of a wind turbine (1), which regulates the power output of the turbine (1), wherein the wind turbine (1) comprises a rotor (3) with at least one rotor blade (5) that is positioned at an adjustable angle to the rotor (3) and wherein the management system regulates the rotor speed within a predefined wind speed range by varying the rotor blade angle in order to set a nominal output and reduces the output in excess of a defined wind-speed-dependent threshold value, c h a r a c t e r i z e d i n t h a t the threshold value is a defined rotor blade limiting angle.
- 2. A management system according to Claim 1, characterized in that it varies the rotor blade angle in order to reduce the output.
- 3. A management system according to Claim 2, characterized in that it increases the rotor blade angle in order to reduce the output.
- 4. A management system according to Claim 1, characterized in that it maintains the rotor blade angle at a constant value until the nominal output is reached.
- 5. A management system according to Claim 1, c h a r a c t e r i z e d i n t h a t, once the nominal output has been reached, it adjusts the rotor blade angle in relation to the wind speed in order to maintain the nominal output at a constant value.